



COMMONWEALTH of VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CALIBRATION LABORATORY
A Nationally Accredited Laboratory

737 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010659
DATE CERTIFICATION METHOD PERFORMED: July 1, 2015
DATE RECERTIFICATION DUE: December 28, 2015

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science as required by §9.1-1101 (B)(3). Measurement traceability is established through the use of reference materials supplied by an ISO/IEC 17025:2005 accredited calibration laboratory.

Estimation of Uncertainty of Measurement:

0.020 ± 0.004 g/210 L 0.150 ± 0.008 g/210 L
0.080 ± 0.004 g/210 L 0.250 ± 0.008 g/210 L

The Uncertainty of Measurement is reported at the 99.73% level of confidence and a coverage factor of k=3. The estimation of the Uncertainty of Measurement is calculated for the Certification process only.

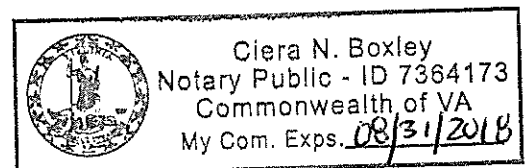
Timmy L. Neece, Jr.
Forensic Scientist

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 2nd day of July, 2015 by Timmy L. Neece, Jr.

Ciera N. Boxley, Notary Public

My commission expires: August 31, 2018



MSK

DBH
+LW

Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
7/1/2014 To 7/2/2015

Instrument Serial Number: 010659	As of 02-Jul-15
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Maintenance	Certification	Technician	
Date	Date	Initials	Remarks
01-Jul-15	01-Jul-15	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
29-Jan-15	29-Jan-15	DBH (21250)	REPLACED UPS BACK-UP BATTERY. CERTIFIED. REPLACED DRY GAS STANDARD.
13-Aug-14	13-Aug-14	MMB (26417)	CERTIFIED.

DBH
TLW

INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number 010659 Worksheet Start Date 7/1/2015
Location Yorktown NWS
Address Building 702 Belzer Dr Yorktown VA 23691
DFS Technician Donald Hall License No. 21250
☐ Laboratory ☒ On-Site

Site Specification: No detrimental environmental conditions exist. ☒

Instrument Barometer (mm HG) 754 Reference Barometer (mm HG) 757
Reference Barometer(RB)Serial # 009109 RB Calibration Due 7/28/2015

Measurement Assurance Check

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.295
0.300	0.298	0.289	0.306	Sample 2	0.295
Precision		sample min	sample max	Sample 3	0.295
0		0.295	0.295		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.097
0.100	0.099	0.096	0.102	Sample 2	0.097
Precision		sample min	sample max	Sample 3	0.097
0		0.097	0.097		

Dry gas standard Lot No. (with tank no.) AG419702-35

☒ Replaced dry gas standard (+O-ring)

☐ Installed at Location

☐ Removed to DFS-Central

Supplies
Mouthpieces
Certificates of Analysis
Operator Worksheet
Other:



Notes:

Instrument Serial Number

010659

Certification Date

7/1/2015

☐ Calibrated☒ Certified☒ Measurement Assurance Check☒ Instrument Test☐ Troubleshooting/Maintenance Worksheet Completed

(Successful completion denotes satisfactory condition of the item.)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.245
0.250	0.248	0.240	0.255	Sample 2	0.245
Precision		sample min	sample max	Sample 3	0.245
0		0.245	0.245		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.147
0.150	0.149	0.144	0.153	Sample 2	0.147
Precision		sample min	sample max	Sample 3	0.147
0		0.147	0.147		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.078
0.080	0.080	0.077	0.083	Sample 2	0.078
Precision		sample min	sample max	Sample 3	0.078
0		0.078	0.078		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.019
0.020	0.020	0.017	0.023	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.018
0.001		0.018	0.019		

All measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

DFS Technician

Donald B Hall

Date

7/2/15

Issuing Analyst

T. V. J.

Date

*7/2/15**nsk*

DBH
TLN




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY HALL, DONALD, B		AGENCY DFS Central Lab
DFS LICENSE NUMBER 21250	LICENSE EXPIRES 10/01/2016	DATE TEST CONDUCTED 07/01/2015
TEST EQUIPMENT NUMBER 010659		

RESULTS: TIME SAMPLE TAKEN **10:38 EDT**

SAMPLE'S ALCOHOL CONTENT **0.00** GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 01 Jul 2015 at 12:12

SJD
DBH
TFW

Test Results

Instrument Serial Number 010659

Test # 000323 Subject Test

Test Location 1 Department of
Test Date 01 Jul 2015

Test Location 2 Forensic Science
Test Time 10:31
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name HALL
Agency DFS Central Lab

Operator's First Name DONALD

Operator's Middle Initial B

Card Serial Number 121250

License Number 21250

Effective Date 10/01/2014

Expiration Date 10/01/2016

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 01 Jul 2015 End Time 10:39

Result Time 10:38

Result Date 01 Jul 2015

Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 10:32

Data Type BLK

Sample Value 0.000

Sample Time 10:32

Data Type CHK

Sample Value 0.099

Sample Time 10:33

Data Type BLK

Sample Value 0.000

Sample Time 10:34

Data Type SUBJ

Sample Value 0.000

Sample Time 10:35

Data Type BLK

Sample Value 0.000

Sample Time 10:36

Data Type SUBJ

Sample Value 0.000

Sample Time 10:38

Data Type BLK

Sample Value 0.000

Sample Time 10:39

Standard Type Dry Gas Std

Standard Value 0.099

Standard Lot Number AG332301-01

Standard Expiration Date 11/19/2015

Tank Pressure 757

Barometric Pressure 754 mmHg

Blow Sample Number 1 Blow Duration 4.09 sec

Blow Volume 2118 cc End-of-Blow Time 10:35

Blow Sample Number 2 Blow Duration 4.36 sec

Blow Volume 2144 cc End-of-Blow Time 10:38

Tamper Evident Stamp fbc3fb2d

Test Status Code 0

Test Status Success

Intox EC/IR-II: Accuracy Check

DBH
TLN

Department of Forensic Science

Serial Number: 010659 Test Number: 324

Test Date: 07/01/2015 Test Time: 10:40 EDT

Dry Gas Target: 0.099

Lot Number: AG332301-01 Exp Date: 11/19/2015

Tank Pressure: 752 psi Barometric Pressure: 754 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	10:41
CHK	0.099	10:42
BLK	0.000	10:43
CHK	0.099	10:44
BLK	0.000	10:45
CHK	0.098	10:46

Test Status: *Success*

Calibration CRC: 9C39691F

Intox EC/IR-II: Accuracy Check

DBH
TLW

Department of Forensic Science

Serial Number: 010659 Test Number: 325

Test Date: 07/01/2015 Test Time: 10:50 EDT

Dry Gas Target: 0.298

Lot Number: AG506501-12 Exp Date: 03/06/2017

Tank Pressure: 139 psi Barometric Pressure: 754 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	10:50
CHK	0.299	10:51
BLK	0.000	10:53
CHK	0.298	10:53
BLK	0.000	10:55
CHK	0.298	10:56

Test Status: *Success*

Calibration CRC: 9C39691F

Intox EC/IR-II: Certification

DBH
TLN

Department of Forensic Science

Serial Number: 010659 Test Number: 326
Test Date: 07/01/2015 Test Time: 11:00 EDT

Technician Initials: DBH

Dry Gas Target: 0.248

Lot Number: 1611425014-01 Exp Date: 07/05/2016

Tank Pressure: 291 psi Barometric Pressure: 755 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:01
BLK	0.000	11:02
CHK	0.245	11:02
BLK	0.000	11:04
CHK	0.245	11:05
BLK	0.000	11:06
CHK	0.245	11:07
BLK	0.000	11:09

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

Intox EC/IR-II: Certification

DBH
TLN

Department of Forensic Science

Serial Number: 010659 Test Number: 327

Test Date: 07/01/2015 Test Time: 11:11 EDT

Technician Initials: DBH

Dry Gas Target: 0.149

Lot Number: 1611415013-04 Exp Date: 07/05/2016

Tank Pressure: 703 psi Barometric Pressure: 755 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:12
BLK	0.000	11:12
CHK	0.147	11:13
BLK	0.000	11:15
CHK	0.147	11:15
BLK	0.000	11:17
CHK	0.147	11:18
BLK	0.000	11:19

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

DBH

TLN

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010659 Test Number: 328
Test Date: 07/01/2015 Test Time: 11:21 EDT

Technician Initials: DBH

Dry Gas Target: 0.080

Lot Number: 1611408012-03 Exp Date: 07/05/2016

Tank Pressure: 639 psi Barometric Pressure: 755 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:21
BLK	0.000	11:22
CHK	0.078	11:23
BLK	0.000	11:24
CHK	0.078	11:25
BLK	0.000	11:26
CHK	0.078	11:27
BLK	0.000	11:28

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

Intox EC/IR-II: Certification

DBH
TLN

Department of Forensic Science

Serial Number: 010659 Test Number: 329
Test Date: 07/01/2015 Test Time: 11:31 EDT

Technician Initials: DBH

Dry Gas Target: 0.020

Lot Number: 1611402011-02 Exp Date: 07/05/2016

Tank Pressure: 840 psi Barometric Pressure: 755 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:31
BLK	0.000	11:32
CHK	0.019	11:33
BLK	0.000	11:34
CHK	0.019	11:35
BLK	0.000	11:36
CHK	0.018	11:37
BLK	0.000	11:38

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

Intox EC/IR-II: Accuracy Check

DBH
TLN

Department of Forensic Science

Serial Number: 010659 Test Number: 330

Test Date: 07/01/2015 Test Time: 11:41 EDT

Dry Gas Target: 0.298

Lot Number: AG506501-12 Exp Date: 03/06/2017

Tank Pressure: 129 psi Barometric Pressure: 755 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:41
CHK	0.295	11:42
BLK	0.000	11:44
CHK	0.295	11:45
BLK	0.000	11:47
CHK	0.295	11:47

Test Status: *Success*

Calibration CRC: 9C39691F

Intox EC/IR-II: Accuracy Check

DBH
TLN

Department of Forensic Science

Serial Number: 010659 Test Number: 331

Test Date: 07/01/2015 Test Time: 11:51 EDT

Dry Gas Target: 0.099

Lot Number: AG419702-35 Exp Date: 07/16/2016

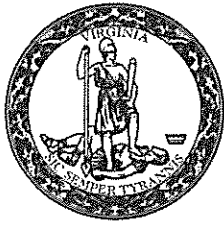
Tank Pressure: 188 psi Barometric Pressure: 755 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:51
CHK	0.097	11:52
BLK	0.000	11:54
CHK	0.097	11:54
BLK	0.000	11:56
CHK	0.097	11:57

Test Status: *Success*

Calibration CRC: 9C39691F



COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY HALL, DONALD, B		AGENCY DFS Central Lab
DFS LICENSE NUMBER 21250	LICENSE EXPIRES 10/01/2016	DATE TEST CONDUCTED 07/01/2015
TEST EQUIPMENT NUMBER 010659		

RESULTS: TIME SAMPLE TAKEN **12:06 EDT**

SAMPLE'S ALCOHOL CONTENT **0.00** GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 01 Jul 2015 at 12:12

Sid
DBH
TL

Test Results

Instrument Serial Number 010659

Test # 000332 Subject Test

Test Location 1 Department of
Test Date 01 Jul 2015

Test Location 2 Forensic Science
Test Time 11:59
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name HALL
Agency DFS Central Lab

Operator's First Name DONALD

Operator's Middle Initial B
License Number 21250

Card Serial Number 121250

Effective Date 10/01/2014

Expiration Date 10/01/2016

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 01 Jul 2015 End Time 12:07

Result Time 12:06

Result Date 01 Jul 2015 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 12:00

Data Type BLK

Sample Value 0.000

Sample Time 12:00

Data Type CHK

Sample Value 0.097

Sample Time 12:01

Data Type BLK

Sample Value 0.000

Sample Time 12:02

Data Type SUBJ

Sample Value 0.000

Sample Time 12:03

Data Type BLK

Sample Value 0.000

Sample Time 12:04

Data Type SUBJ

Sample Value 0.000

Sample Time 12:06

Data Type BLK

Sample Value 0.000

Sample Time 12:07

Standard Type Dry Gas Std

Standard Value 0.099

Standard Lot Number AG419702-35

Standard Expiration Date 07/16/2016

Tank Pressure 178

Barometric Pressure 755 mmHg

Blow Sample Number 1 Blow Duration 4.34 sec

Blow Volume 2064 cc End-of-Blow Time 12:03

Blow Sample Number 2 Blow Duration 3.53 sec

Blow Volume 1814 cc End-of-Blow Time 12:06

Tamper Evident Stamp 1e4d598f

Test Status Code 0

Test Status Success